

§ 79.41 Definitions.

(a) *Cor pulmonale* means heart disease, including hypertrophy of the right ventricle, due to pulmonary hypertension secondary to fibrosis of the lung.

(b) *Designated time period* means the period beginning on January 1, 1942, and ending on December 31, 1971.

(c) *Employment for at least one year* means employment for a total of at least one year (12 consecutive or cumulative months).

(d) *Fibrosis of the lung or pulmonary fibrosis* means chronic inflammation and scarring of the pulmonary interstitium and alveoli with collagen deposition and progressive thickening.

(e) *Miner or uranium mine worker* means a person who operated or otherwise worked in a uranium mine.

(f) *National Institute for Occupational Safety and Health (NIOSH) certified "B" reader* means a physician who is certified as such by NIOSH. A list of certified "B" readers is available from the Radiation Exposure Compensation Program upon request.

(g) *Nonmalignant respiratory disease* means fibrosis of the lung, pulmonary fibrosis, cor pulmonale related to fibrosis of the lung, silicosis, or pneumoconiosis.

(h) *Pneumoconiosis* means a chronic lung disease resulting from inhalation and deposition in the lung of particulate matter, and the tissue reaction to the presence of the particulate matter. For purposes of this subpart, the claimant's exposure to the particulate matter that led to the disease must have occurred during employment in a uranium mine.

(i) *Primary lung cancer* means any physiological condition of the lung, trachea, or bronchus that is recognized under that name or nomenclature by the National Cancer Institute. The term includes in situ lung cancers.

(j) *Readily available documentation* means documents in the possession, custody, or control of the claimant or an immediate family member.

(k) *Silicosis* means a pneumoconiosis due to the inhalation of the dust of stone, sand, flint, or other materials containing silicon dioxide, characterized by the formation of pulmonary fibrotic changes.

(l) *Specified state* means Colorado, New Mexico, Arizona, Wyoming, South Dakota, Washington, Utah, Idaho, North Dakota, Oregon, or Texas. Additional states may be included, provided:

(1) A uranium mine was operated in such state at any time during the period beginning on January 1, 1942, and ending on December 31, 1971;

(2) The state submits an application to the Assistant Director (specified in § 79.70(a)) to include such state; and

(3) The Assistant Director makes a determination to include such state.

(m) *Uranium mine* means any underground excavation, including "dog holes," as well as open-pit, strip, rim, surface, or other aboveground mines, where uranium ore or vanadium-uranium ore was mined or otherwise extracted.

(n) *Working level* means the concentration of the short half-life daughters of radon that will release (1.3×10^5) million electron volts of alpha energy per liter of air.

(o) *Working level month of radiation* means radiation exposure at the level of one working level every work day for a month, or an equivalent cumulative exposure over a greater or lesser amount of time.

(p) *Written diagnosis by a physician* means a written determination of the nature of a disease made from a study of the signs and symptoms of a disease that is based on a physical examination of the patient, medical imaging or a chemical, microscopic, microbiologic, immunologic or pathologic study of physiologic and functional tests, secretions, discharges, blood, or tissue. For purposes of satisfying the requirement of a "written diagnosis by a physician" for living claimants specified in § 79.46, a physician submitting a written diagnosis of a nonmalignant respiratory disease must be employed by the Indian Health Service or the Department of Veterans Affairs or be board certified, and must have a documented, ongoing physician-patient relationship with the claimant. An "ongoing physician-patient relationship" can include referrals made to specialists from a primary care provider for purposes of diagnosis or treatment.

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“Board certification” requires, in addition to physician licensing, the successful completion of a residency training program and passage of a Board exam in a relevant field or specialty. Relevant specialties include: family practice, internal medicine, pathology, preventive medicine, radiology, surgery, and thoracic surgery (and including subspecialties such as cardiovascular disease, medical oncology, pulmonary disease) as listed by the American Board of Medical Specialties.

§ 79.42 Criteria for eligibility for claims by miners.

To establish eligibility for compensation under this subpart, a claimant or eligible surviving beneficiary must establish each of the following:

- (a) The claimant was employed as a miner in a specified state;
- (b) The claimant was so employed at any time during the period beginning on January 1, 1942, and ending on December 31, 1971;
- (c) The claimant was exposed during the course of his or her mining employment to 40 or more working level months of radiation or worked for at least one year in a uranium mine or mines during the period identified in paragraph (b) of this section; and
- (d) The claimant contracted lung cancer or a nonmalignant respiratory disease following such exposure.

§ 79.43 Proof of employment as a miner.

(a) The Department will accept, as proof of employment for a designated time period, information contained in any of the following records:

- (1) Records created by or gathered by the Public Health Service (PHS) in the course of any health studies of uranium workers during or including the period 1942–1990;
- (2) Records of a uranium worker census performed by the PHS at various times during the period 1942–1990;
- (3) Records of the Atomic Energy Commission (AEC), or any of its successor agencies; and
- (4) Records of federally supported, health-related studies of uranium workers, including:

- (i) Studies conducted by Geno Saccamanno, M.D., St. Mary's Hospital, Grand Junction, Colorado; and

- (ii) Studies conducted by Jonathan Samet, M.D., University of New Mexico School of Medicine.

(b) The Program will presume that the employment history for the time period indicated in records listed in paragraph (a) of this section is correct. If the claimant or eligible surviving beneficiary wishes to contest the accuracy of such records, then the claimant or eligible surviving beneficiary may provide one or more of the records identified in paragraph (c) of this section, and the Assistant Director will determine whether the employment history indicated in the records listed in paragraph (a) is correct.

(c) If the sources in paragraph (a) of this section do not contain information regarding the claimant's uranium mine employment history, do not contain sufficient information to establish exposure to at least 40 working level months of radiation, do not contain sufficient information to establish uranium mining employment for one year during the period identified in § 79.42(b), or if a claimant or eligible surviving beneficiary wishes to contest the accuracy of such records, then the claimant or eligible surviving beneficiary may submit records from any of the following sources, and the Assistant Director shall consider such records (in addition to any sources listed in paragraph (a) of this section) in order to determine whether the claimant has established the requisite employment history:

- (1) Governmental records of any of the specified states, including records of state regulatory agencies, containing information on uranium mine workers and uranium mines;

- (2) Records of any business entity that owned or operated a uranium mine, or its successor-in-interest;

- (3) Records of the Social Security Administration reflecting the identity of the employer, the years and quarters of employment, and the wages received during each quarter;

- (4) Federal or State income tax records that contain relevant statements regarding the claimant's employer and wages;